SBR=0000 33/24-25 /6/8/24 015-22-000002

D-5.

BR=000033/24-25 /6/8/2024

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

634736

Serial No. .....

Name of work Annual Maintenance of street lights package D-5 in T Dasarahalli Ward No 15 From 01.07.2024 To 31.07.2024

Name of Contractor of nature of Agency M/S: Prashanth Electricals

Date of commencement of work. EE/ELE/D2/TEND/SAE/II/05/2023-24 Dt: 15.03.2024
EE/ELE/D2/TEND/SWO/II/05/2023-24 Dt: 15.03.2024

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1.	Operation & maintenance of Street lighting System including damaged failed/ fused out components like Lamps, tubes, chokes, Ignitors Capacitors, Switches, wires, holders, starter & switching ON/Off of street lights at specified timing & Pole numbering, Preparing wardwise, street wise data bank furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of St lighting systems 36/40w fluorescent tube light Street lighting system.	0NO's	x Rs. 54.12	x 1 month	=	00.00.	
2.	Operation & maintenance of street lighting System including damaged /tailed/ fused out components like, Lamps, tubes chokes, Ignitors, capacitors, Switches, wires, holder, starter Switching ON/Off of Street light at specified timing					62	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Pole numbering, preparing wardwise, Streetwise data bank furnishing maintenance reports, every day etc detailed various type of St lighting systems as 125W HPMV park lighting system						
		12 NOS	x Rs. 63.02	x 1 Month	=		756.24.
3.	Opertn & maintenance of St. light items including replacement of damaged/failed/fused out components like Lamps, tubes, chokes, Ignitors, Capacitors, Switches, wires, holders, Starters, & Switching ON/OFF of Street lights at specified timings & pole numbering, preparing ward wise, Street wise data bank, furnishing maintenance reports, every day etc, complete so as to ensure effecient burning of St lights detailed intendn documents for various type of St lights 250W HPSV St lighting system.						
		851 NOS	x Rs 84.95	x 1 Month	=		72292.45
							EE (Ele) DZ

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M. A. R. 57 (Rule 116) No. E 684737
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
4.	Opertn & Maintenance of Street lighting system including replacement of damaged/failed/fused out components like lamps, tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters & Switching ON/OFF of Street lights at Specified timings & pole numbering, Preparing ward wise, Street wise data bank, furnishing maintenance reports, every day etc, Complete so as to ensure efficient burning of St light detailed intendn documents for various type of St lighting systems as detailed below 400 watt HPSV St light/ High mast lighting System.						
		36 NOS	x Rs. 93.17	x 1 month	=		3354.12.
5.	Operation & Maintenance of LED St lighting System including replacement of damaged/failed/fused out Components like LED drivers, MCPCB, Surge Protective device, Switches						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	wires, Holders, Starter Observing weather proofing technic Confirming to IP 65 Standards and Switching ON/off of St lights at Specified timing pole numbering Preparing ward wise, Street wise Street light data bank furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of Street lights detailed in tender documents for 24 watt to 40 watt LED parts/ Street lighting Systems.						
		473 NO's	x Rs. 73.33	x 1 Month =		34685.09.	
6.	Operation & maintenance of LED St lighting System including replacement of damaged/ failed/ fused out components like LED drivers, MCPCB, Surge protective device, Scratches wires, Holders, Starter Observing weather proofing technic Confirming to IP 65 Standards and Switching ON/off of Street lights at specified timing & pole numbering, preparing ward wise, Street wise Street light data bank.						

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M. A. R. 57 (Rule 116) No. E
Measurement Book

684738

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	furnishing maintenance reports every day etc, complete so as to ensure efficient burning of Street lights detailed in tender documents for 40 watt to 65 watt LED St light lighting system.						
		49 NOS	x Rs 95.61	x 1 Month =		4684.89.	
7.	Operations maintenance of LED St lighting System including replacement of damaged/ failed/ fused out components like LED drivers, MCPCB, Surge protective device, Scratches wires, Holders, Starter Observing weather proofing technic confirming to IP 65 Stds & Switching ON/off of St lights at Specified timing & Pole numbering, Preparing ward wise, Street wise St light data bank, furnishing maintenance reports						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	every day etc, complete so as to ensure efficient burning of st lights detailed in tender documents for 90W LED St. light lighting System.	27 Nos	114.81		x 1 Months =		3099.87.
8.	Opns maintenance of LED Street lighting System including replacement of damaged/failed/fuse out components like LED drivers, MCPCB, Surge protective device, Switches, wires, Holders, Starter Observing weather Proofing testing confirming to IP65 Standards of switching ON/OFF of street lights at specified timing & pole numbering Preparing ward wise, Street wise Street light data bank furnishing maintenance reports every day etc, complete so as to ensure efficient burning of Street lights detailed in tender documents for 110/120 watt LED Street light lighting Systems.	0	x	0		= .	00.

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M. A. R. 57 (Rule 116) No. E
Measurement Book
634739

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
9.	Operation & Maintenance of LED Street lighting systems Including replacement of damaged/failed/fused out components like LED drivers, MCPCB, Surge protective device, Switches, wires, Holders, Starter Observing weather proofing testing Confirming to IP65 Standards and switching ON/OFF of Street lights at specified timing & pole numbering, Preparing ward wise, Street wise Street light data banks, furnishing maintenance reports, every day etc, Complete so as to ensure efficient burning of Street lights detailed in tender documents for 150/180 watt LED Street light lighting Systems.	0	x 0			=	00.

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Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
10.	Supply & installation fixing provision of outdoor type thermoplastic moulded panel enclosure with transparent polycarbonate lid, shock proof IP65 rust proof, dust proof, weather proof corrosion proof having internally embedded gasket on both lid & flap suitable to fix single phase 3-4 energy meter with suitable base plate & having a provision for fixed MCB cutout with suitable transparent hinged flap opening for operating MCB along with composite tamper proof facility 900mm x 450mm x 214mm.	10 NOS	x 5127 RS	=			51270.00.
11.	Supply & fixing of 4 pole power contactor with NO/NC contacts on existing wood/Panel board using necessary bolts, nuts, washers & wiring etc, complete with AC 3 Relay as per 100 Amps to 125 Amps.	22 NOS	x RS. 7200	=			158400.00.

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M. A. R. 57 (Rule 116) No. E 634740
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
12.	Supplying & fixing miniature circuit breaker 500 existing MCB distribution boards using necessary fixing materials & 'C' type curve, indicator ON/OFF, energy cross-section short circuit breaking capacity of 10 KA complete wiring as required confirming to IEC 60898 50-63 Amps	24 NOS	x RS. 723	=		17352.00	
13.	Supplying & fixing microprocessor based Astronomical timer switch with using necessary bolts, nuts & washers	24 NOS	x RS. 4030	=		96720.00.	
14.	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100 V grade, multistrand copper with low conductor						

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Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Resistance Single Core in Open or Concealed System of wiring with 6Sqmm)						
		10 Nos x Rs. to				=	100.00
15.	Supplying tinned copper lugs & crimping & wiring to terminal point for wire of the following sizes 6Sqmm						
		100 Nos x Rs. to				=	400.00
16.	1.1 kV LT Aerial bunched cable confirming to IS 14255 : 1995 XLPE insulation parameter shall be as below Hot Set test: a) Elongation under load: 50% (Max) b) permanent Elongation after cooling: 3% (Max) c) thermal ageing in oven: a) tensile Strength 16N/mm² b) Elongation: 34% (min) c) water absorption test a) water absorbed: 0.5 mg/cm 4) Carbon black content shall be ranging from 2% to 3% 3x25+1x25+1x16 Sqmm Stranded FRS insulated messenger cum neutral.						
		1.4 kms x Rs. 147000				=	205800.00

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M. A. R. 57 (Rule 116) No. E 684741
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
17.	Stringing of 1.1 kV Grade Aerial bunched 3 core cable of XLPE insulation Size (3x95) (phase Conductors) + (1x70) (insulated messanger neutral) + (1x25) (LT street light control)						
		1.4 kms x Rs 22464				=	31456.60.
18.	Supplying of 1.1 kV LT Al Cable XLPE or heat resistant PVC insulated, PVC extruded inner sheath armoured UG LT cable as per IS-554 (part-1) IS 6098 part 1, Armouring strip thickness is average +5% & resistivity 140ohms/km (max) 4 core 16 Sqmm -						
		1.95 kms x Rs. 150				=	29250.00.

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
19.	Labour charges for laying of 1.1 kV Class UG Cable, in existing trenches/ pipes/ structures/ pipe conduit/ ducts as required on walls/ structures/ Supports (6 Sq mm).	195 mtrs	x 3.30			=	5860.50
						Total	11887.68
	(C) 12% GST Deduction						(-) 1426.42
	(C) 18% GST add						10460.94
	(B) total Amt on Item No 10 to 19						18829.43
	(D) 18% GST on Item 10 to 19						123437.37
							59498.60
							10749.75
							828485.72

Assistant Engineer (Ele)
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ASST. EXECUTIVE ENGINEER (Ele)
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M. A. R. 57 (Rule 116) No. E 634742
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
n	(E) Fine imposed for non burning of street lights for the period of 1.1.2024 to 31.03.2024 & GST recovered on Penalty for the present bill						828485.72
							200.00
	(F) 2% Scrap will be deducted in month/quarterly/maintenance bill against the released scrap material.					Grand total	2468.75
							825816.97

Assistant Engineer (Ele)
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Dasarahalli Zone, Bengaluru

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Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Audited and admitted for Rs. 8,28,486/-

Passed by Cheque for Rs. 791959

(Seven lakhs ninety one thousand nine hundred fifty nine only)

by adjustment Rs. 36,527

Accounts Superintendent

Exe. Engineer (Ele)

B.B.M.P. Dasarahalli Division

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